

ABSTRACT

A low reflection film comprising silica fine particles and a binder in a weight ratio proportion of 60:40 to 95:5 is obtained by mixing
5 starting fine particles comprising at least non-aggregated silica fine particles with a mean particle size of 40-1000 nm and/or linear (chain-like) aggregated silica fine particles with a mean primary particle size of 10-100 nm, a hydrolyzable metal compound, water, and a solvent, hydrolyzing
10 the hydrolyzable metal compound in the presence of the starting fine particles, and then coating the prepared coating solution onto a glass base substrate and subjecting it to heat treatment.

The obtained low reflection film is a single-layer low reflection film with low reflectivity, excellent abrasion resistance, high film strength and excellent contamination removal property, and coating of the low
15 reflection film onto glass base substrates can give low reflection glass articles.